

*B1*  
ethylene block copolymer in an amount of 300 to 2,000 ppm when the propylene-ethylene block copolymer is granulated, and said composition having:

*Cont.* (a) a melt flow rate (MFR) of 10 to 18 g/10 min when measured at 230°C under a

load of 2.16 kg (21.2N);

(b) a 25°C xylene insoluble having a stereoregularity index [mmmm] fraction of 98.9% or higher when measured by C<sup>13</sup>-NMR; and

(c) a 25°C xylene soluble wherein the xylene soluble:

(c-1) is present in an amount of 22 to 28% by weight based on the propylene-ethylene block copolymer;

(c-2) comprises only a single component with respect to a relaxation time T1 measured by pulse NMR; and

(c-3) satisfies the following formula (I):

$$y \leq 0.0014x^3 - 0.0897x^2 - 1.0593x + 231.6 \quad (I)$$

wherein x is an ethylene content (% by weight) measured by <sup>13</sup>C-NMR and y is the relaxation time T1 (msec) measured by pulse NMR.

*B2*  
7. (New) A composition comprising a propylene-ethylene block copolymer having a melt flow rate of 12 to 16 g/10 min and a nucleating agent comprising methylenebis(2,4-di-t-butylphenol) acid sodium phosphate, wherein said nucleating agent is present in an amount of 300 to 2,000 ppm,

said composition having:

(a) a melt flow rate of 10 to 18 g/10 min when measured at 230°C under a load of 2.16 kg (21.2N);

(b) a 25°C xylene insoluble having a stereoregularity index [mmmm] fraction of 98.9% or higher when measured by C<sup>13</sup>-NMR; and

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cont.*  
(c) a 25°C xylene soluble content of 22 to 28% by weight based on the composition; wherein said xylene soluble comprises a single component with respect to a relaxation time T1 measured by pulse NMR; and satisfies the following formula (I):

$$y \leq 0.0014x^3 - 0.0897x^2 - 1.0593x + 231.6 \quad (I)$$

wherein x is an ethylene content (% by weight) measured by  $^{13}\text{C}$ -NMR and y is the relaxation time T1 (msec) measured by pulse NMR.

8. (New) The composition according to Claim 7, wherein said composition has

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(d) a flexural modulus of 1,000 to 1,500 MPa;  
(e) a -30° Izod impact strength of 6 to 8 kJ/m<sup>2</sup>; and  
(f) a tensile elongation of 200% or higher.

9. (New) The composition according to Claim 7, wherein the nucleating agent is blended with the propylene-ethylene block copolymer when the propylene-ethylene block copolymer is granulated.

10. (New) The composition according to Claim 1, wherein the 25°C xylene soluble has a content of from 25.1 to 28%.

11. (New) The composition according to Claim 1, wherein the 25°C xylene soluble has a content of from 25.7 to 28%.

12. (New) The composition according to Claim 4, wherein the 25°C xylene soluble has a content of from 25.1 to 28%.

13. (New) The composition according to Claim 4, wherein the 25°C xylene soluble has a content of from 25.7 to 28%.

14. (New) The composition according to Claim 7, wherein the 25°C xylene soluble has a content of from 25.1 to 28%.